EAST SIAPY

L Numbes	Hits	Search Text	DB	Time stamp
Livuindes	11	lord.asn. and power near4 (loss or failure or fail)	USPAT;	2003/11/10 12:16
F 💌	''	Tord.aon. and power near r (1888 or rainers or rain)	US-PGPUB	
-	19	lord.asn. and washing	USPAT;	2003/04/13 15:05
			US-PGPUB	
-	1	lord.asn. and 68/\$.ccls.	USPAT;	2003/11/10 12:25
		/// A 4 4 0 0 0 L 0 5 7 5 0 0 0 L 0 0 0 4 5 0 0 L 10 0 0 0 7 0 0 7 L 10 7 0 7 0 0 L	US-PGPUB	2002/04/42 45:07
-	41	("2544360" "2575360" "2661596" "2667237" "2733792" "3174587" "3216542" "3394784" "3509742" "3739887"	USPAT	2003/04/13 15:07
		"3945226" "3962595" "4123675" "4200003" "4350913"		
		"4351515" "4681197" "4720087" "4729458" "4849120"		
		"4856631" "4920929" "4992190" "5015926" "5070565"		
		"5080204" "5081882" "5085064" "5207081" "5230229"		
		"5284330" "5375282" "5382373" "5452957" "5460585"		
		"5492312" "5520029" "5547049" "5573088" "5598908" "5632361").PN.		
_	12	"3724361"	USPAT;	2003/11/12 10:19
	12	0/2/001	US-PGPUB:	2000, 11, 12 , 0110
			EPO; JPO;	
			DERWENT;	
	4	4000 040000 NDAN	IBM_TDB	2002/04/46 05:52
-	1	1989-040039.NRAN. (rheoelectric or rheo adj electric) same fluid same (shock adj	DERWENT DERWENT	2003/04/16 05:53
	'	absorber or damper or dampener)	DEIXVEIVI	2000/11/12 03.44
-	107	(rheol\$7) same fluid same (shock adj absorber or damper or	DERWENT	2003/04/16 06:43
		dampener)		
-	25	(rheol\$7) same fluid same (shock adj absorber or damper or	DERWENT	2003/04/16 06:44
	0	dampener) and de.cc.	DEDWENT	0000/04/46 06:44
-	2	(rheol\$7) same fluid same (shock adj absorber or damper or dampener) same (fail\$4 or safety or power or loss) and de.cc.	DERWENT	2003/04/16 06:44
1_	12	lord.asn. and power near4 (loss or failure or fail)	USPAT;	2003/10/18 13:04
	'-	istaliasti. and power floar (loos of fallars of fall)	US-PGPUB	2000, 10, 10 1010 1
-	1	(rheoelectric or rheo adj electric) same fluid same (shock adj	DERWENT	2003/10/18 13:16
		absorber or damper or dampener)		
-	1	1989-040039.NRAN.	DERWENT	2003/10/18 13:16
-	327	(damper or dampener) same power near4 (loss or failure or fail)	USPAT; US-PGPUB;	2003/11/10 12:47
	•		EPO; JPO;	
			DERWENT	
-	327	(damper or dampener) same power near4 (loss or failure or fail)	USPAT;	2003/10/18 13:19
			US-PGPUB;	
			EPO; JPO; DERWENT	
-	35	(damper or dampener) same power near4 (loss or failure or fail)	USPAT;	2003/10/27 13:45
	, , , , , , , , , , , , , , , , , , ,	and washer	US-PGPUB;	
			EPO; JPO;	
1	•		DERWENT	0000/40/40 40 55
-	24	(damper or dampener) same power near4 (loss or failure or fail) and (68/\$.ccls. or 267/\$.ccls. or 188/\$.ccls.)	USPAT; US-PGPUB;	2003/10/18 13:22
		and (00/\$.665.01 207/\$.665.01 100/\$.665.)	EPO; JPO;	
			DERWENT	
-	6	(US-6152488-\$ or US-6082715-\$ or US-5632361-\$ or	USPAT;	2003/10/18 13:25
		US-5573088-\$ or US-4786034-\$).did. or	US-PGPUB	1
	400	(US-20030057618-\$).did.	LICDAT	0000/40/07 40:40
1-	123	masaaki.in. and isuzu.asn.	USPAT; US-PGPUB;	2003/10/27 13:46
			EPO; JPO;	
			DERWENT	
-	2	masaaki.in. and isuzu.asn. and power adj supply	USPAT;	2003/10/27 13:47
			US-PGPUB;	
			EPO; JPO;	
	1	JP411041805A	DERWENT USPAT;	2003/10/27 13:47
-		וייין די וייי	US-PGPUB;	2003/10/2/ 13.4/
			EPO; JPO;	
			DERWENT	

			1100.47	0000/40/07 :: :=
	1	JP411108106A	USPAT; US-PGPUB;	2003/10/27 13:47
••			EPO; JPO;	
			DERWENT	
-	12	lord.asn. and power near4 (loss or failure or fail)	USPAT;	2003/11/10 12:16
			US-PGPUB	
-	38	(188/266.8).CCLS.	USPAT;	2003/11/10 12:19
	10710		US-PGPUB	2002/44/40 42:25
_	12740	washing adj machine	USPAT; US-PGPUB	2003/11/10 12:25
	259	washing adj machine and (damper or dampener or shook adj	USPAT;	2003/11/10 12:26
-	259	absorber)	US-PGPUB	2003/11/10 12.20
_	9	("2092259" "4484669" "4696379" "4800995" "4802561"	USPAT	2003/11/10 12:28
		"4893699" "4905798" "4958704" "5004079").PN.	,	
-	3	5409089.URPN.	USPAT	2003/11/10 12:29
-	5	5085299.URPN.	USPAT	2003/11/10 12:31
-	6	("4946009" "5035306" "5085299" "5180039" "5301412"	USPAT	2003/11/10 12:32
	_	"5303804").PN.	LICDAT	2002/44/40 42/22
] -	5 82	5413196.URPN. ("2557140" "2575360" "2635483" "2661596" "2661825"	USPAT USPAT	2003/11/10 12:33 2003/11/10 12:35
-	02	"2663809" "2667237" "2669325" "2692582" "2733792"	03. 71	2003/11/10 12.55
		"2846028" "2940749" "2973969" "3006656" "3059915"		
		"3174587" "3321210" "3538469" "3543901" "3550048"		
		"3941402" "4122922" "4200003" "4351515" "4401298"		
		"4416445" "4517505" "4544048" "4583723" "4673067"		
		"4679775" "4699348" "4709779" "4741519" "4753421"		
		"4789142" "4819772" "4844220" "4869476" "4872652" "4880216" "4896587" "4896752" "4899996" "4921272"		
1		"4942947" "4973031" "4981286" "4992190" "5018606"		1
		"5029677" "5052662" "5080392" "5176368" "5265703"		
-		"5277281" "5283234" "5284330" "5285878" "5293969"		
		"5301776" "5303803" "5303804" "5318157" "5353839"		
		"5375683" "5382373" "5389905" "5392883" "5398917"		
		"5409088" "5413196" "5435421" "5445249" "5454452"		
		"5462142" "5492312" "5505880" "5509888" "5624010" "5632361" "6019201").PN.		
_	27	5632361.URPN.	USPAT	2003/11/10 12:35
-	82	("2557140" "2575360" "2635483" "2661596" "2661825"	USPAT	2003/11/10 12:46
		"2663809" "2667237" "2669325" "2692582" "2733792"		
		"2846028" "2940749" "2973969" "3006656" "3059915"		
1		"3174587" "3321210" "3538469" "3543901" "3550048"		
		"3941402" "4122922" "4200003" "4351515" "4401298" "4416445" "4517505" "4544048" "4583723" "4673067"		
		"4679775" "4699348" "4709779" "4741519" "4753421"		
		"4789142" "4819772" "4844220" "4869476" "4872652"		
		"4880216" "4896587" "4896752" "4899996" "4921272"		
		"4942947" "4973031" "4981286" "4992190" "5018606"		
		"5029677" "5052662" "5080392" "5176368" "5265703"		
		"5277281" "5283234" "5284330" "5285878" "5293969" "5301776" "5303803" "5303804" "5318157" "5353839"		
		"5301776" "5303803" "5303804" "5318157" "5353839" "5375683" "5382373" "5389905" "5392883" "5398917"		
		"5409088" "5413196" "5435421" "5445249" "5454452"	1	
		"5462142" "5492312" "5505880" "5509888" "5624010"		
		"5632361" "6019201").PN.		
-	0	6471018.URPN.	USPAT	2003/11/10 12:46
-	396	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:18
		damp\$4) same power near4 (loss or failure or fail or defect\$4)	US-PGPUB;	
1			EPO; JPO; DERWENT	
_	21	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:30
		damp\$4) same power near4 (loss or failure or fail or defect\$4)	US-PGPUB;	2000.11710 10.00
		same (control or ecu or unit or cpu or microcontroller or	EPO; JPO;	
		microprocessor) same (secondary or emergency or auxiliary or	DERWENT	
		backup)		
-	9	((damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 12:51
		damp\$4) same power near4 (loss or failure or fail or defect\$4))	US-PGPUB;	
		and washing	EPO; JPO;	
<u></u>		1 12:11:28 PM Page 2	PEINVEINI	

				DEDIVIENT	0000/44/40 40 54
-	•	1	2003-626948.NRAN.	DERWENT	2003/11/10 12:51
١-,	,	168	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 12:56
		i	damp\$4) same power near4 (loss or failure or fail or defect\$4)	US-PGPUB; EPO; JPO;	
			same (control or ecu or unit or cpu or microcontroller or	DERWENT	
		224	microprocessor) (damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 12:57
-		224	damp\$4) same (loss or failure or fail or defect\$4) same controller	US-PGPUB;	2003/11/10 12.37
l			dampa4) same (loss of failure of fail of defecta4) same controller	EPO; JPO;	
				DERWENT	
_		44	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:02
			damp\$4) same (loss or failure or fail or defect\$4) near5 controller	US-PGPUB;	
				EPO; JPO;	
				DERWENT	
-		27	((damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:26
			damp\$4) same power near4 (loss or failure or fail or defect\$4))	US-PGPUB;	
		1	and 188/\$.ccls.	EPO; JPO;	
			//damper or demoner or shock adj shearbar or vibration adj	DERWENT USPAT;	2003/11/10 13:26
-		1	((damper or dampener or shock adj absorber or vibration adj damp\$4) same power near4 (loss or failure or fail or defect\$4))	US-PGPUB;	2003/11/10 13.20
			and 701/\$,ccls.	EPO; JPO;	
1			and 70 174.0013.	DERWENT	
_		15	((damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:27
ı			damp\$4) same power near4 (loss or failure or fail or defect\$4))	US-PGPUB;	
			and 267/\$.ccls.	EPO; JPO;	
1				DERWENT	
-		5	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:48
			damp\$4) same power near4 (loss or failure or fail or defect\$4)	US-PGPUB;	
1			same (control or ecu or unit or cpu or microcontroller or	EPO; JPO; DERWENT	
			microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	DERWENT	
_		81	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:49
-		01	damp\$4) same (power or loss or failure or fail or defect\$4) same	US-PGPUB;	2000/////
			(control or ecu or unit or cpu or microcontroller or	EPO; JPO;	
			microprocessor) same (alternate or secondary or emergency or	DERWENT	
			auxiliary or backup) near5 (damp\$5)		
-	'	81	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:50
			damp\$4) same (power or loss or failure or fail or defect\$4) same	US-PGPUB;	
			(control or ecu or unit or cpu or microcontroller or	EPO; JPO; DERWENT	
-			microprocessor) same (alternate or secondary or emergency or auxiliary or backup) near5 (damp\$5)	DERWENT	
١.		6	(damper or dampener or shock adj absorber or vibration adj	USPAT;	2003/11/10 13:52
		,	damp\$4) same (power or loss or failure or fail or defect\$4) same	US-PGPUB;	
			(control adj unit or ecu or cpu or microcontroller or	EPO; JPO;	
	ì		microprocessor) same (alternate or secondary or emergency or	DERWENT	
			auxiliary or backup) near5 (damp\$5)		
-	•	2	(electrorheolog\$6 or ERF or EMF or electromagnetic adj fluid or	DERWENT	2003/11/12 10:15
İ			rheolog\$6 or magnetic adj fluid or electroviscous or rheoelectric		
			or rheo adj electric) same (liquid or fluid) same (shock adj absorber or damper or dampener) same (defect\$4 or fail\$ or		
			malfunction or loss near3 power or loss near3 supply)		
.		6	3724361.URPN.	USPAT	2003/11/12 10:16
		2	"6427813"	USPAT;	2003/11/12 10:19
		_		US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM_TDB	
	-	1	1999-153887.NRAN.	DERWENT	2003/11/12 10:20
.	-	7	(5744876.pn. or 5744923.pn. or 5390121.pn. or 5325677.pn. or	USPAT;	2003/11/12 11:51
			5375282.pn. or 5301523.pn. or 5907880.pn. or 5956951.pn. or	US-PGPUB	
		1591	6047797.pn.) and damp\$4 213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.	USPAT;	2003/11/12 13:48
'	-	1991	2 10/22-4040.0003. 01 201/104-100.0003. 01 201/190-2 10.0008.	US-PGPUB	2003/11/12 13:40
.		3	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.)	USPAT;	2003/11/12 13:45
		1	and wedge same cam same spring	US-PGPUB	
.	-	46	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.)	USPAT;	2003/11/12 13:48
			and (wedge or cam) same spring same friction\$4	US-PGPUB	
.	-	499	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.)	USOCR	2003/11/12 13:49
L		1	and (wedge or cam) same spring same friction\$4	<u> </u>	L

-	•	114	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.)	USOCR	2003/11/12 13:51
			and (wedge or cam) same spring same friction\$4 same (different		
•			or larger)	USPAT:	2002/44/42 42-52
-		4	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.) and (wedge or cam) same spring same friction\$4 same (different	US-PGPUB	2003/11/12 13:52
			or larger)	001010	
1_		4	(213/22-40\$3.ccls. or 267/134-135.ccls. or 267/196-215.ccls.)	USPAT;	2003/11/12 13:53
			and (wedg\$5 or cam\$4) same spring same friction\$4 same	US-PGPUB	
			(different or larger)		

				0004/05/15 00 50
-	149	("6202806"	USPAT;	2004/05/17 09:59
		"6131709"	US-PGPUB	
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- ,	19	lord.asn. and power with (loss or failure)	USPAT; US-PGPUB	2004/05/15 15:46
•	20	lord.asn. and power with (loss or failure)	USPAT;	2004/05/15 15:46
-	20	lord.ash. and power than (lode or tamers)	US-PGPUB;	
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			DERWENT	2004/05/47 05:42
-	683	mansen.xp.	USPAT; US-PGPUB	2004/05/17 05:42
	70	68/\$.ccls. and drum with brak\$4	USPAT;	2004/05/17 07:22
-	79	00/φ.ccis. and drum with brakφ4	US-PGPUB	
-	2	lord.asn. and drum with brak\$4	USPAT;	2004/05/17 07:30
			US-PGPUB	0004/05/47 00:04
-	25	stick adj brak\$4	USPAT; US-PGPUB	2004/05/17 08:04
	963	188/31,60,69.ccls.	USPAT;	2004/05/17 08:04
-	903	100/31,00,03.0013.	US-PGPUB	
_	721	188/31,60,69.ccls.	USOCR	2004/05/17 08:18
-	29579	(loss or fail or failure or malfunction) with power	USOCR	2004/05/17 08:22
-	107474	(loss or fail or failure or malfunction) with power	USPAT; US-PGPUB	2004/05/17 08:06
	86	((loss or fail or failure or malfunction) with power) and 68/\$.ccls.	USPAT;	2004/05/17 08:06
-	00	((1055 of fail of failure of mailuriculor) with power y and corpression	US-PGPUB	
_	8	188/31,60,69.ccls. and ((loss or fail or failure or malfunction) with	USOCR	2004/05/17 08:18
		power)	110000	2004/05/47 00:22
-	81	((loss or fail or failure or malfunction) with power) and 68/\$.ccls.	USOCR	2004/05/17 08:22 2004/05/17 08:23
-	1391	(loss or fail or failure or malfunction) with power with (brake or brakes or braking)	USOCIN	2004/03/17 00:20
_	1391	(loss or fail or failure or malfunction) with power with (brake or	USOCR	2004/05/17 08:23
		brakes or braking)		
-	2256	(loss or fail or failure or malfunction) with power with (brake or	USPAT; US-PGPUB	2004/05/17 08:34
		brakes or braking) ((loss or fail or failure or malfunction) with power with (brake or	USOCR	2004/05/17 08:23
-	0	brakes or braking)) and 68/\$.ccls.	0000.	
-	4	((loss or fail or failure or malfunction) with power with (brake or	USPAT;	2004/05/17 08:24
		brakes or braking)) and 68/\$.ccls.	US-PGPUB	2004/05/47 09:20
-	7	4254641.URPN.	USPAT USPAT	2004/05/17 08:29 2004/05/17 08:30
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		"2946409" "3040854" "3100030" "3243021" "4165624").PN.		
-	225	(loss or fail or failure or malfunction) with power with (brake or	USOCR	2004/05/17 08:35
	_	brakes or braking) with (drum or tub or washer or wheel)	LICDAT	2004/05/17 08:36
-	0	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and	USPAT; US-PGPUB	2004/03/17 00:30
		188/74.ccls.	00.00	·
-	5	((loss or fail or failure or malfunction) with power with (brake or	USOCR	2004/05/17 08:37
		brakes or braking) with (drum or tub or washer or wheel)) and		
		188/171,173.ccls.	USPAT;	2004/05/17 08:37
-	6	((loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel)) and	US-PGPUB	2004/00/11 00:01
		188/171.173.ccls.		
-	2	((loss or fail or failure or malfunction) with power with (brake or	USOCR	2004/05/17 08:38
		brakes or braking) with (drum or tub or washer or wheel)) and		
	326	188/74.ccls. (loss or fail or failure or malfunction) with power with (brake or	USPAT;	2004/05/17 09:58
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_	2	(loss or fail or failure or malfunction) with power with (brake or	USPAT;	2004/05/17 08:40
		brakes or braking) with (drum or tub or washer or wheel) same	US-PGPUB	
	10	(rod or stick or elongated) near2 (brake or braking)	USOCR	2004/05/17 08:41
-	12	(loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) same	03001	2007/00/17 00.71
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-	35	"stick brake"	US-PGPUB;	200 1/00/11 00:40
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			DERWENT	

USOC brakes or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) 118 (loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) and 188/\$.ccls.	1
118 (loss or fail or failure or malfunction) with power with (brake or brakes or braking) with (drum or tub or washer or wheel) and 188/\$.ccls.	CR 2004/05/17 09:02
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Butler, Louglas

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Sent:

Monday, April 19, 2004 11:27 AM

To:

Butler, Douglas

Subject:

PLUS Results for 10079388

Here are the PLUS search results for 10079388.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



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10079388_LIST.txt















• 10079388_LIST PLUS Search Results for S/N 10079388, Searched April 19, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10079388_CLS Most Frequently Occurring Classifications of Patents Returned From A Search of 10079388 on April 19, 2004

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Original Classifications
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  2 369/147
Cross-Reference Classifications
 13 188/267
  8 188/322.15
  7 267/140.14
  6
     68/23.1
  5 248/638
  4
    188/381
  4 280/5.515
     74/572
  3
  3
     74/573F
  3 137/909
    188/129
  3
  3 188/266.6
  3 188/267.1
3 188/268
    188/322.19
  3 188/322.2
3 188/322.22
3 248/550
  3 267/136
  3
     267/203
  3
     267/219
  3 416/500
  2
     52/167.1
     68/23.3
  2
     74/574
  2
  2 180/312
  2 180/41
  2 188/300
  2
     188/322.13
  2 188/378
  2 188/379
  2 248/562
  2 248/566
  2 267/127
```

2 267/140.15

المناصلون المناجد والإرواء الزمارية المفتاف والموسطين وللعالم المناج المناجد المناجد المناجد والمناج المناجسون

2 188/318 2 188/322.13

ل التجالب المهامل يجب المكالية القال الله يتا التحقيق العرفة للواد فيهيها للحاد للسايكم أيوط لمسجد

- 2 188/379

- 2 188/379 2 192/3.29 2 248/566 2 251/129.01 2 267/127 2 267/140.13 2 267/202 2 267/64.15 2 267/74 2 280/124.1 2 280/5.5 2 280/5.512 2 310/183 2 310/269 2 310/51 2 322/25 2 324/318 2 369/147 2 369/170 2 416/145 2 416/190 2 416/193A 2 464/68 2 464/84 2 701/48 2 701/48

- 2 701/49
- 701/91

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• 10079388_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10079388 on April 19, 2004
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```
(3 OR, 13 XR)
16 188/267
         Class
                 188 : BRAKES
                       INTERNAL-RESISTANCE MOTION RETARDER
         188/266
         188/267
                       .Using magnetic flux
                 (6 OR, 7 XR)
    267/140.14
                 267 : SPRING DEVICES
         Class
         267/136
                       RESILIENT SHOCK OR VIBRATION ABSORBER
                       .Including energy absorbing means or feature
         267/140.11
                             (e.g., supplemental vehicle equipment, such as motor mo
unt,
                            seat, etc., including additional fluid or friction ener
gу
                            absorber)
                      ..Axial
          267/140.13
          267/140.14
                       ...With electronic or magnetic control
 10
     68/23.1
                  (4 OR, 6 XR)
                 068 : TEXTILES: FLUID TREATING APPARATUS
         Class
                       MACHINES
          68/3R
                      .Combined
          68/13R
                       ..With liquid extractor
          68/19
                       ...Centrifugal extractor (e.g., centrifuge)
          68/23R
                        ....With means to control or isolate vibration
          68/23.1
                   (6 OR, 3 XR)
  9 188/267.1
                  188 : BRAKES
          Class
                       INTERNAL-RESISTANCE MOTION RETARDER
          188/267.1
                       .Electroviscous or electrorheological fluid
                   (8 OR, 1 XR)
    188/267.2
                  188 : BRAKES
          Class
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/266
          188/267.2
                        .Magnetic fluid or material (e.g., powder)
                   (6 OR, 2 XR)
      68/23.3
                  068 : TEXTILES: FLUID TREATING APPARATUS
          Class
          68/3R
                        MACHINES
          68/13R
                        .Combined
                       ..With liquid extractor
          68/19
                       ...Centrifugal extractor (e.g., centrifuge)
          68/23R
                        ....With means to control or isolate vibration
          68/23.1
                       .....Vertical axis centrifuge
          68/23.3
    188/322.15
                   (0 OR, 8 XR)
                  188 : BRAKES
          Class
          188/266
                       INTERNAL-RESISTANCE MOTION RETARDER
                       .Valve structure or location
          188/322.13
                       .. Piston valve detail (e.g., seat design,
          188/322.15
                           structural arrangement, metering element)
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هاي ودا آنجاز خيدا والدمأة المعاملات واحتي المارات والمراب المواصية المرابع والمتحدد المناز والمحاوي المجار المحاوي المجار المحاوي الم

10079388 CLSTITLES

•	248/637 248/638		10079388_CLSTITLES MACHINERY SUPPORT .Including vibration isolation means
6	280/5.515 Class 2 280/5.5 280/5.515	80	: LAND VEHICLES SUSPENSION MODIFICATION ENACTED DURING TRAVEL (I.E., ACTIVE SUSPENSION CONTROL)
6		701	: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
			VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION .Vehicle subsystem or accessory control Suspension control
5		74	: MACHINE ELEMENT OR MECHANISM CONTROL LEVER AND LINKAGE SYSTEMS .Flywheels and rotors
5	188/381 188/105 188/106R	188	OR, 3 XR) : BRAKES FRICTIONAL VIBRATION DAMPER .MultipleVehicleRise and fall
5		188	OR, 4 XR) : BRAKES FRICTIONAL VIBRATION DAMPER
5	267/136 Class 2		OR, 3 XR) : SPRING DEVICES

Class 267 : SPRING DEVICES

267/136 RESILIENT SHOCK OR VIBRATION ABSORBER

4 188/266.6 (1 OR, 3 XR) Class 188 : BRAKES

> 188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/266.1 .Motion damped from condition (e.g., bump,

speed change) detected outside of retarder

188/266.2 ..Condition actuates valve or regulator

...Of the pulsating or reciprocating type 188/266.5

188/266.6Side mounted

(1 OR, 3 XR) 188/322.19

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/322.19 .Cylinder structure

4 188/378 (2 OR, 2 XR)

Class 188 : BRAKES

INERTIA OF DAMPING MASS DISSIPATES MOTION 188/378 (E.G., VIBRATION DAMPER)

248/550 (1 OR, 3 XR)

الرياج والأمراء وهاد براواد والسالا المالي والمناجوة الفتراد العجران الراجون والمستد سرفة وسار

10079388_CLSTITLES

Class 248 : SUPPORTS

248/550 WITH CONDITION RESPONSIVE CONTROL MEANS

3 74/572 (0 OR, 3 XR)

Class 074: MACHINE ELEMENT OR MECHANISM
74/469 CONTROL LEVER AND LINKAGE SYSTEMS

74/572 .Flywheels and rotors

3 74/573F (0 OR, 3 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM

74/469 CONTROL LEVER AND LINKAGE SYSTEMS

74/572 .Flywheels and rotors 74/573R .With balancing means 74/573F ...Fluid balancing means

3 137/909 (0 OR, 3 XR)

Class 137 : FLUID HANDLING

137/909 MAGNETIC FLUID VALVE

3 188/268 (0 OR, 3 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/268 .Using yieldable or fluent solid or semisolid

3 188/322.2 (0 OR, 3 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER

188/322.19 .Cylinder structure

188/322.2 .. Having connection for side-mounted valve type

3 188/322.22 (0 OR, 3 XR)

Class 188 : BRAKES

188/266 INTERNAL-RESISTANCE MOTION RETARDER 188/322.22 .Thrust member or piston structure

3 248/562 (1 OR, 2 XR)

Class 248 : SUPPORTS

248/560 RESILIENT SUPPORT

248/562 .Including additional energy absorbing means, e.g., fluid or friction damping, etc.

3 267/140.15 (1 OR, 2 XR)

Class 267 : SPRING DEVICES

267/136 RESILIENT SHOCK OR VIBRATION ABSORBER

267/140.11 .Including energy absorbing means or feature

(e.g., supplemental vehicle equipment, such as motor mou

nt,

У

seat, etc., including additional fluid or friction energ

absorber)

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267/140.15 .. With electronic or magnetic control

3 267/203 (0 OR, 3 XR)

Class 267 : SPRING DEVICES

267/2 VEHICLE

267/195 .Mechanical spring and nonresilient retarder

(e.g., shock absorber)

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10079388_CLSTITLES
        267/196
                     ..Friction (e.g., "snubber")
        267/201
                      ... Elastomeric spring or friction element
        267/202
                      ....And helical coil spring
        267/203
                      .....Plural coil springs
  267/219
                 (0 OR, 3 XR)
               267 : SPRING DEVICES
        Class
        267/2
                      VEHICLE
        267/195
                      .Mechanical spring and nonresilient retarder
                          (e.g., shock absorber)
        267/217
                      ..Fluid retarder
                      ...Elastomeric spring
        267/219
                 (2 OR, 1 XR)
3 310/90.5
        Class
               310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
        310/10
                     DYNAMOELECTRIC
        310/40R
                     .Rotary
        310/66
                      ..With other elements
        310/90
                      ...Bearing or air-gap adjustment or bearing
                          lubrication
        310/90.5
                      .... Magnetic bearing
                 (1 OR, 2 XR)
 384/99
                384 : BEARINGS
        Class
        384/91
                     ROTARY BEARING
        384/99
                      .Hydraulic or pneumatic bearing support
                 (0 OR, 3 XR)
  416/500
        Class
                416 : FLUID REACTION SURFACES
                     VIBRATION DAMPING FEATURES
        416/500
                 (0 OR, 2 XR)
2
    52/167.1
        Class
               052 : STATIC STRUCTURES
        52/167.1
                     MEANS COMPENSATING EARTH-TRANSMITTED FORCE
                         (E.G., EARTHQUAKE)
    60/326
                 (1 OR, 1 XR)
                060 : POWER PLANTS
        Class
        60/325
                      PRESSURE FLUID SOURCE AND MOTOR
        60/326
                      .Utilizing a mixture, suspension, semisolid or
                         electro-conductive liquid as motive fluid
    68/12.06
                 (2 OR, 0 XR)
        Class
                068 : TEXTILES: FLUID TREATING APPARATUS
        68/3R
                      MACHINES
                      .Single tub and automatic sequential operation
        68/12.01
                           mechanism
        68/12.02
                      .. Sequence control means responsive to a sensed
                          condition
        68/12.06
                      ... Unbalanced load
2
    68/23.2
                 (1 OR, 1 XR)
                068 : TEXTILES: FLUID TREATING APPARATUS
        Class
        68/3R
                     MACHINES
                     .Combined
        68/13R
                     ..With liquid extractor
        68/19
        68/23R
                     ...Centrifugal extractor (e.g., centrifuge)
        68/23.1
                      ....With means to control or isolate vibration
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10079388 CLSTITLES
                        .....Including counterbalance
    180/312
                   (0 OR, 2 XR)
                  180 : MOTOR VEHICLES
          Class
          180/311
                        FRAME
          180/312
                        .With structure adapted to receive or support a
                           motor, change-speed gearing, or other power train element
   180/41
                   (0 OR, 2 XR)
                  180 : MOTOR VEHICLES
          Class
                        WITH LEVELING DEVICE
          180/41
    188/266.2
                   (1 OR, 1 XR)
                  188 : BRAKES
          Class
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/266.1
                        .Motion damped from condition (e.g., bump,
                            speed change) detected outside of retarder
          188/266.2
                        .. Condition actuates valve or regulator
                   (1 OR, 1 XR)
    188/269
                  188 : BRAKES
          Class
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/266
          188/269
                        .Using diverse fluids
    188/282.2
                   (1 OR, 1 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/281
                        .Resistance alters relative to direction of
                             thrust member (e.g., high resistance in one direction,
low
                             in the other)
          188/282.1
                        .. Via valved orifice in thrust member
          188/282.2
                        ... Valve actuated by electrical system
    188/282.4
                   (2 OR, 0 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/281
                        .Resistance alters relative to direction of
                              thrust member (e.g., high resistance in one direction,
 low
                              in the other)
          188/282.1
                        ..Via valved orifice in thrust member
          188/282.2
                        ... Valve actuated by electrical system
          188/282.4
                        .... System having distinct selections (e.g.,
                           hard, medium, soft)
   188/300
                   (0 OR, 2 XR)
          Class
                  188 : BRAKES
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/300
                        .With means for locking parts together
                           temporarily
  2 188/318
                   (1 OR, 1 XR)
                  188 : BRAKES
          Class
          188/266
                        INTERNAL-RESISTANCE MOTION RETARDER
          188/297
                        .Having a thrust member with a variable volume
                              chamber (e.g., coaxial or telescoping tubes, compensat
ing
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10079388_CLSTITLES

reservoir) 188/316 .. Fluid through or around piston within chamber 188/317 ... Via fixed or variable orifice in piston 188/318And passage venting fluid external to chamber 2 188/322.13 (0 OR, 2 XR) Class 188 : BRAKES 188/266 INTERNAL-RESISTANCE MOTION RETARDER 188/322.13 .Valve structure or location (0 OR, 2 XR) 188/379 Class 188 : BRAKES 188/378 INERTIA OF DAMPING MASS DISSIPATES MOTION (E.G., VIBRATION DAMPER) 188/379 .Resiliently supported damping mass 192/3.29 (1 OR, 1 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class VORTEX-FLOW DRIVE AND CLUTCH 192/3.21 .Including drive-lockup clutch 192/3.28 192/3.29 .. Having fluid-pressure operator 248/566 (0 OR, 2 XR) 248 : SUPPORTS Class 248/560 RESILIENT SUPPORT 248/562 .Including additional energy absorbing means, e.g., fluid or friction damping, etc. 248/566 .. Variable or adjustable energy absorbing means 251/129.01 (1 OR, 1 XR) Class 251 : VALVES AND VALVE ACTUATION ELECTRICALLY ACTUATED VALVE 251/129.01 267/127 (0 OR, 2 XR) 267 : SPRING DEVICES Class 267/113 FLUID 267/118 .Expansible-contractible chamber device 267/124 ..Piston 267/126 ...System 267/127Trans-piston passage 267/140.13 (1 OR, 1 XR) Class 267 : SPRING DEVICES 267/136 RESILIENT SHOCK OR VIBRATION ABSORBER 267/140.11 .Including energy absorbing means or feature (e.g., supplemental vehicle equipment, such as motor mou nt, seat, etc., including additional fluid or friction energ absorber) 267/140.13 ..Axial (0 OR, 2 XR) 2 267/202 267 : SPRING DEVICES Class 267/2 VEHICLE 267/195 .Mechanical spring and nonresilient retarder

Page 6

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10079388_CLSTITLES
                            (e.g., shoc\overline{k} absorber)
        267/196
                      ..Friction (e.g., "snubber")
        267/201
                      ... Elastomeric spring or friction element
        267/202
                      .... And helical coil spring
2 267/64.15
                 (0 OR, 2 XR)
                267 : SPRING DEVICES
        Class
        267/2
                      VEHICLE
        267/64.11
                      .Comprising compressible fluid
        267/64.15
                      ..With retarder
2 267/74
                 (1 OR, 1 XR)
        Class
                267 : SPRING DEVICES
        267/69
                      ELASTIC EXTENSION DEVICES
        267/73
                      .Tension spring
        267/74
                      ..Single
  280/124.1
                 (0 OR, 2 XR)
        Class
                280 : LAND VEHICLES
        280/29
                      WHEELED
        280/80.1
                      .Running gear
                      ..Suspension arrangement
        280/124.1
  280/5.5
                 (0 OR, 2 XR)
        Class
                280 : LAND VEHICLES
        280/5.5
                      SUSPENSION MODIFICATION ENACTED DURING TRAVEL
                         (I.E., ACTIVE SUSPENSION CONTROL)
                 (0 OR, 2 XR)
  280/5.512
        Class
                280 : LAND VEHICLES
                      SUSPENSION MODIFICATION ENACTED DURING TRAVEL
        280/5.5
                            (I.E., ACTIVE SUSPENSION CONTROL)
                      .Lateral vehicle disposition
        280/5.508
        280/5.51
                      .. Steering element responsive (e.g., steering
                          angle, steering rate)
        280/5.512
                      ...Including suspension stiffness for ride
                         comfort (e.g., damping coefficient, spring rate)
2 310/183
                 (1 OR, 1 XR)
        Class
                310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
        310/10
                     DYNAMOELECTRIC
        310/40R
                      .Rotary
        310/179
                     ..Windings and core structure
        310/180
                     ... Field or excitation windings or structure
        310/182
                      ....With short-circuited winding or conductor
        310/183
                      .....Damper winding
  310/269
                (1 OR, 1 XR)
                310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
        Class
        310/10
                     DYNAMOELECTRIC
        310/40R
                     .Rotary
        310/261
                     ..Rotor structure
                     ...Armatures
        310/264
        310/269
                     ....Salient pole
  310/51
                (2 OR, 0 XR)
        Class
                310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
        310/10
                      DYNAMOELECTRIC
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10079388_CLSTITLES 310/40R .Rotary 310/51 .. Vibration or noise suppression 322/25 (0 OR, 2 XR) Class 322 : ELECTRICITY: SINGLE GENERATOR SYSTEMS 322/17 AUTOMATIC CONTROL OF GENERATOR OR DRIVING MEANS 322/22 .Plural conditions .. Including an electrical condition 322/23 322/24 ...Plural electrical conditions 322/25Voltage and current

2 324/318 (1 OR, 1 XR) Class 324 · ELECTR

Class 324 : ELECTRICITY: MEASURING AND TESTING 324/300 PARTICLE PRECESSION RESONANCE

324/318 .Spectrometer components

2 369/147 (2 OR, 0 XR)

Class 369: DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTION
OF SYSTEM

369/127 .Mechanical modification or sensing of storage medium

369/135 ...Specified structure of electrical transducing assembly

369/146 ...Magnetic field variation (e.g., magnetostrictive)

369/147Moving signal coil

2 369/170 (0 OR, 2 XR)

Class 369: DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTION
OF SYSTEM

369/127 .Mechanical modification or sensing of storage medium

369/170 ...Stylus holder or shield

2 416/145 (1 OR, 1 XR)

Class 416: FLUID REACTION SURFACES
416/144 WITH WEIGHT-BALANCING MEANS

416/145 .Self-shifting or selectively adjustable mass

2 416/190 (0 OR, 2 XR)

Class 416 : FLUID REACTION SURFACES

416/179 ROTOR HAVING FLOW CONFINING OR DEFLECTING WEB, SHROUD OR CONTINUOUS PASSAGE

416/189 .Axially extending shroud ring or casing

416/190 ... Vibration inhibiting or expansion-contraction

structure

2 416/193A (1 OR, 1 XR)

Class 416 : FLUID REACTION SURFACES

416/179 ROTOR HAVING FLOW CONFINING OR DEFLECTING WEB,

SHROUD OR CONTINUOUS PASSAGE

416/189 .Axially extending shroud ring or casing 416/193R ...Spaced inwardly of impeller periphery

416/193A ...Root platforms

10079388_CLSTITLES

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464/68
                   (1 OR, 1 XR)
          Class
                  464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND
                          FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
          464/51
                        TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT
          464/61
                        .Element is a spring coiled about centerline
                              angularly related to or radially spaced from rotationa
1
                              axis
          464/62
                        ..Plural springs
          464/66
                        ...Opposite ends of spring are equidistant from
                            rotational axis
          464/68
                        .... Springs positioned between axially spaced
                           plates of one member and driven by other member extending
                           radially between said plates
 2 464/84
                   (0 OR, 2 XR)
                  464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND
          Class
                          FLEXIBLE COUPLINGS FOR ROTARY SHAFTS
          464/51
                        TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT
          464/81
                        .Plural circumferentially spaced elements
          464/84
                        .. Elements are bowed leaf springs
                   (0 OR, 2 XR)
    701/48
                  701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
          Class
                          RELATIVE LOCATION
          701/1
                        VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                             INDICATION
          701/36
                        .Vehicle subsystem or accessory control
          701/48
                        .. Cooperative or multiple control (e.g.,
                           suspension and braking)
 2 701/49
                   (1 OR, 1 XR)
                  701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
          Class
                          RELATIVE LOCATION
          701/1
                        VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                             INDICATION
          701/36
                        .Vehicle subsystem or accessory control
          701/49
                        .. Vehicle equipment position control (e.g.,
                           seat, mirror, door, window, headrest, or headlamp)
    701/91
                   (0 OR, 2 XR)
         Class
                  701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
                          RELATIVE LOCATION
         701/1
                        VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                              INDICATION
         701/70
                        .Indication or control of braking,
                             acceleration, or deceleration
         701/82
                        .. Antispin, traction control, or drive slip
                            control
         701/91
                        ...Integrated with antiskid or other vehicle
                           control system (e.g., cruise control, suspension)
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